

**SAS Superstructure**

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 22-Nov-14

Time 6:49 AM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 1254 Const Calendar Day: 827 Date: 09-Sep-2014 Tuesday

Inspector Name: Brignano, Bob Title: Transportation Engineer

Inspection Type:

Shift Hours: Break: Over Time:

Federal ID:

Location:

Reviewer: Schmitt, Alex Approved Date: Status: Submit

**04-0120F4
04-SF-80-13.2/13.9
Self-Anchored
Suspension Bridge****Weather**

Temperature 7 AM

12 PM

4 PM

Precipitation

Condition overcast am, clear pm

Working Day ☒ If no, explain:**Diary:**

Dispute

General Comments

CCO 314, SAMPLING AND TESTING A354 GRADE BD MATERIAL:

The status of the 2 test rigs in this current phase of the Townsend Test (Test IV) is as follows:

Rod 18 (Dry 2008 Rod, ID S1-A7, Bottom): At 0.85 Fu

Rod 19 (Dry 2008 Rod, ID S2-H6, Bottom): At 0.85 Fu

ABF Engineer Kelvin Chen is working part time in the office on CCO 314.

There is limited work in the field by ABF today on CCO 314. TR's 18 & 19 are currently under load, and today is not a tensioning step day. ABF is preparing a package to be sent for CT-METS – A354 Grade BD cut off ends to be sent to a lab. ABF is working in the field at the Pier 7 warehouse area, working an 8-hour shift 0700 through 1530. The non-CCO 314 operations elsewhere at the Pier 7 warehouse area are not covered by this diary.

Dave Van Dyke from VGO is working offsite to produce the morning and evening data reports. VGO is not in the Bay Area today and is working remotely from Oregon.

Today, starting about 0900, ABF starts work on a pallet located at the test rigs with A354 Grade BD material - cut off ends, including fracture surfaces, from Phase 4 (TR's 14-17) of the Townsend Test (Test IV) to be sent to the Exova Lab in Chicago for the post fracture analysis. ABF's laborer, ironworker, and operator start work on CCO 314 at about 0900. The ironworker and operator work about 0.5 hrs to weigh the pallet – use forklift, hanging scale, and pallet picker – the pallet minus the tare (pallet picker) weighs about 150 pounds, but this is before adding timber blocking in the pallet and the lid. The laborer works until approximately 1200 (~3 hrs). The laborer adds plywood pieces and 2x4 pieces to fill the spaces between the rods so that they do not move during shipping – each piece is custom cut to make everything a tight fit. Then the lid is added and the box is strapped (metal straps/banding) down to the pallet – the pallet is connected to the box with a few screws and the straps/banding is for extra security/insurance. After all the work on the pallet is complete, the laborer cleans up the sawdust and extra pieces of wood. Also an operator moves the pallet to the Pier 7 warehouse area from where it will be loaded out tomorrow.

A 40kW generator – MQ Power 40 – ABF ID 002051 is used by the laborer for a few hours to run a saw for the work on the pallet and it is on idle/standby at the test rig work area. A Hydraulic Pump for running the jacks is on idle/standby at the test rig work area. A Kubota Cart is used by the laborer (3 hrs) and another Kubota Cart is used by the ironworker (0.5 hrs). A Hyster 80 forklift (ABF ID 002306) is used by the operator (0.5 hrs).



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Note that there is k-rail at this work area. All the remaining k-rail at the CCO 314 test rig site is State owned. There are 20 pieces of 10' bought k-rail. Of the 20 pieces, 16 are installed in test rigs and 4 are spare/extra k-rail.

To elevate k-rail and sandbags, crane mats (built from 12x12's) and timber blocking (12x12's) are used. The crane mat and 12x12's quantities are as follows:

1 each 4'x20' crane mat (1 x 80 LF)

1 each 5'x19' crane mat (1 x 95 LF)

2 each 5'x20' crane mats (2 x 100 LF)

2 each 5'x16' crane mat (2 x 80 LF)

~64 LF additional 12x12's

Total 12x12's quantity = 599 LF ~ 600 LF

The agreed extra work with ABF is as follows:

Laborer Carlos (Pedro) Garcia - 3 hrs

Ironworker Jared Garrett - 0.5 hr

Operator Justin Garrett - 0.5 hr

Hyster 80 Forklift - 0.5 hr

40 kW Generator - 2 hrs

12x12 timber - 600 LF

See the attached Extra Work Order - Signed with ABF for CCO 314 work